

The following is a complete listing of all claims in the application, with an indication of the status of each:

Listing of claims:

1 1 (Currently amended). A method for processing a structural document to remove
2 ambiguities from the document prior to processing, comprising the steps of:
3 identifying ambiguities within a structural document to include data loops that
4 are not marked as loops;
5 representing the structural document as a hierarchical tree structure;
6 receiving translation rules and data loop grouping options defined by a user in
7 a static translation table with reference to the hierarchical tree structure; and
8 creating a dynamic translation table to resolve said ambiguities for said
9 hierarchical tree structure; and
10 automatically generating a modified hierarchical tree structure representing the
11 structural document in accordance with the translation rules and grouping options.

1 2 (Original). The method of claim 1, wherein the translation rules include rules for
2 grouping elements of the structural document.

1 3 (Original). The method of claim 2, wherein the rules for grouping are selected from
2 the group consisting of: diversification of sub-tree tags, and identity of sub-tree tags.

1 4 (Original). The method of claim 3, wherein the rules for grouping are represented
2 as a two column table wherein a first column of the table defines a plurality of nodes
3 in the hierarchical tree structure, and a second column of the table defines a rule to be
4 applied to grouping each of one of the plurality of nodes.

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1 5 (Original). The method of claim 1, wherein the hierarchical tree structure is
2 Document Object Model, and the structural document to be translated is in a format
3 selected from the group consisting of: flat file and Extensible Markup Language.

1 6 (Original). The method of claim 1, wherein the step of automatically generating a
2 modified hierarchical tree structure comprises processing each node of the
3 hierarchical tree structure in accordance with the translation rules, automatically
4 generating a dynamic table representing an interim translation of the hierarchical tree
5 structure, and generating the modified hierarchical tree structure from the interim
6 translation.

1 7 (Original). The method of claim 1, wherein the translation rules are generated by
2 the user by means of a graphical user interface that displays to the user various data
3 elements of the structural document represented as nodes in a hierarchical tree
4 structure.

1 8 (Original). The method of claim 1, wherein the ambiguities to be removed from the
2 structural document include data loops that are not marked as loops.

1 9 (Currently amended). A system for processing a structural document to remove
2 ambiguities from the document prior to processing, comprising:
3 means for identifying ambiguities within a structural document to include data
4 loops that are not marked as loops;
5 means for representing the structural document as a hierarchical tree structure;
6 means for receiving translation rules and data loop grouping options from a
7 user having reference to the hierarchical tree structure; and

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8 means for creating a dynamic translation table to resolve said ambiguities for
9 said hierarchical tree structure; and

10 means for automatically generating a modified hierarchical tree structure
11 representing the structural document in accordance with the translation rules and
12 grouping options.

1 10 (Previously submitted). The system of claim 9, wherein the translation rules
2 include rules for grouping elements of the structural document.

1 11 (Previously submitted). The system of claim 10, wherein the rules for grouping
2 are selected from the group consisting of: diversification of sub-tree tags, and identity
3 of sub-tree tags.

1 12 (Previously submitted). The system of claim 11, wherein the rules for grouping
2 are represented as a two column table wherein a first column of the table defines a
3 plurality of nodes in the hierarchical tree structure, and a second column of the table
4 defines a rule to be applied to grouping each of one of the plurality of nodes.

1 13 (Previously submitted). The system of claim 9, wherein the hierarchical tree
2 structure is Document Object Model, and the structural document to be translated is
3 in a format selected from the group consisting of: flat file and Extensible Markup
4 Language.

1 14 (Previously submitted). The system of claim 9, wherein the means for
2 automatically generating a modified hierarchical tree structure comprises means for
3 processing each node of the hierarchical tree structure in accordance with the
4 translation rules, automatically generating a dynamic table representing an interim

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5 translation of the hierarchical tree structure, and generating the modified hierarchical
6 tree structure from the interim translation.

1 15 (Previously submitted). The system of claim 9, further comprising a graphical user
2 interface that displays to the user data elements of the structural document as nodes in
3 a hierarchical tree structure, means for allowing the user to select grouping options for
4 such nodes, and means for transforming the selected grouping options into the
5 translation rules.

1 16 (Previously submitted). The system of claim 9, wherein the ambiguities to be
2 removed from the structural document include data loops that are not marked as
3 loops.

1 17 (Currently amended). A computer program product comprising: a computer usable
2 medium having computer readable program code means embodied therein for causing
3 the processing of a structural document to remove ambiguities from the document
4 prior to processing, the computer readable program code means in said computer
5 program product comprising:

6 computer readable program code means for identifying ambiguities within a
7 structured document to include data loops that are not marked as loops;

8 computer readable program code means for causing a computer to effect
9 representing the structural document as a hierarchical tree structure;

10 computer readable program code means for causing a computer to effect
11 receiving translation rules and data loop grouping options defined by a user in a static
12 translation table with reference to the hierarchical tree structure; and

13 computer readable program code means for creating a dynamic translation
14 table to resolve said ambiguities for said hierarchical tree structure; and

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15 computer readable program code means for causing a computer to effect
16 automatically generating a modified hierarchical tree structure representing the
17 structural document in accordance with the translation rules and grouping options.